

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: P220436

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220436  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 975.0 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

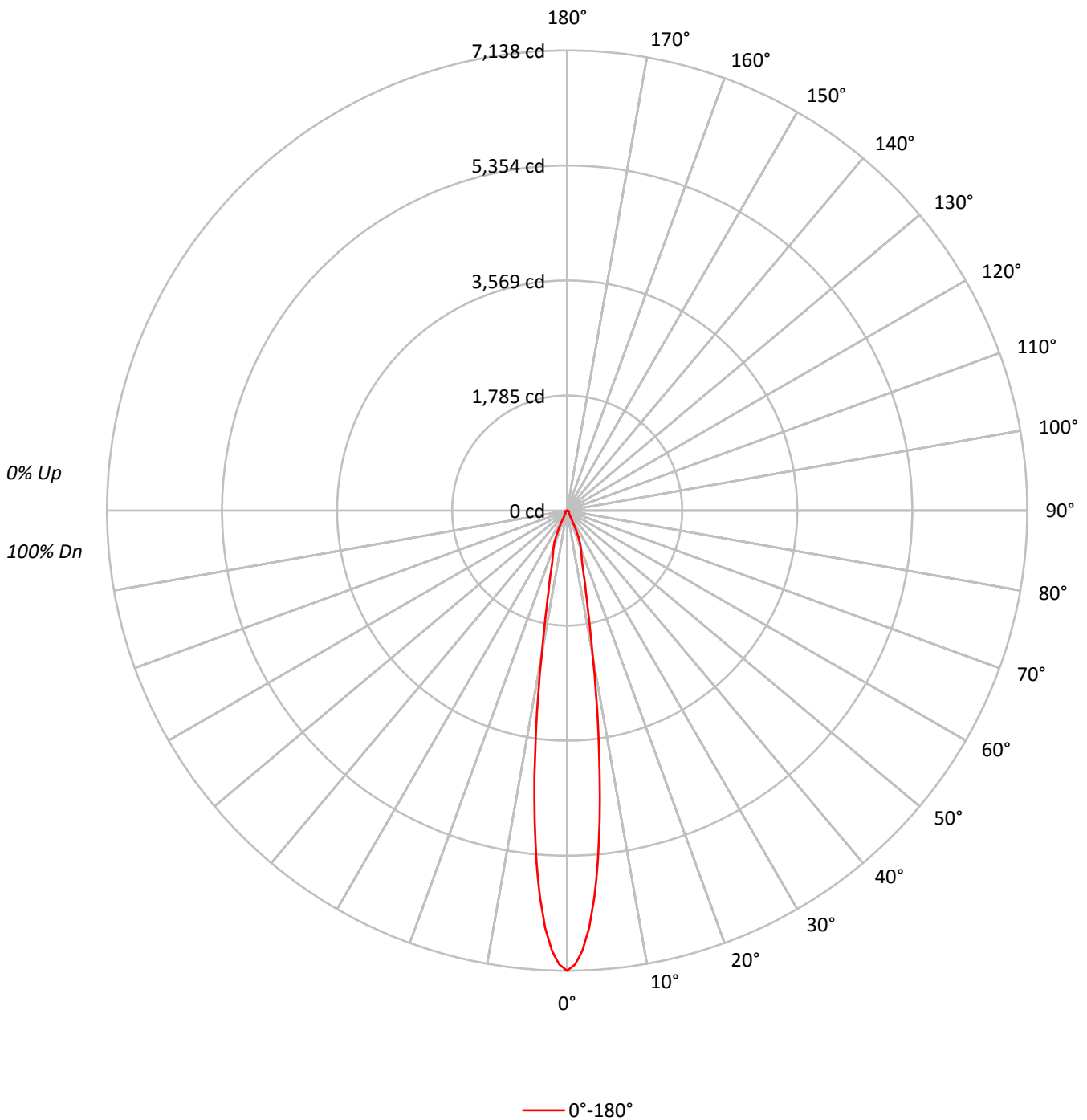
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	103		102	101	99		98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83		88	85	82		87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75		81	78	75		80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73		79	76	73		78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72		77	74	71		77	73	71	70

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1565225
5°	1202484
10°	509788
15°	218753
20°	145519
25°	69270
30°	17015
35°	12635
40°	12108
45°	12094
50°	12383
55°	13878
60°	14034
65°	12920
70°	10771
75°	9658
80°	10986
85°	10819



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.8	42.2
10°-20°	294.7	30.2
20°-30°	133.3	13.7
30°-40°	31.5	3.2
40°-50°	30.2	3.1
50°-60°	31.8	3.3
60°-70°	24.5	2.5
70°-80°	12.7	1.3
80°-90°	4.6	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	839.8	86.1
0°-40°	871.2	89.4
0°-60°	933.2	95.7
0°-90°	975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	975.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7138	
5°	5463	412
15°	964	295
25°	286	133
35°	47	31
45°	39	30
55°	36	32
65°	25	25
75°	11	13
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7138.0
1°	7044.7
2°	6827.8
3°	6484.0
4°	6021.4
5°	5462.9
6°	4823.0
7°	4152.7
8°	3475.4
9°	2842.6
10°	2289.5
11°	1849.2
12°	1527.0
13°	1290.6
14°	1105.7
15°	963.6
16°	849.2
17°	772.2
18°	714.7
19°	664.8
20°	623.6
22.5°	495.6
25°	286.3
26°	208.8
27°	142.1
28°	94.4
29°	74.3
30°	67.2
32.5°	56.4
35°	47.2
37.5°	43.9
40°	42.3
42.5°	40.7
45°	39.0
47.5°	37.4
50°	36.3
52.5°	36.3
55°	36.3
57.5°	35.2
60°	32.0
62.5°	29.3
65°	24.9
67.5°	20.6
70°	16.8
72.5°	13.6



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	11.4
77.5°	10.3
80°	8.7
82.5°	6.5
85°	4.3
87.5°	1.6
90°	0.0

(END OF REPORT)